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| APPLICATION NO.                                                                | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--------------------------------------------------------------------------------|-------------|----------------------|---------------------|------------------|
| 09/464,315                                                                     | 12/16/1999  | TAN DU               | TI-29436            | 7360             |
| 23494                                                                          | 7590        | 08/16/2005           | EXAMINER            |                  |
| TEXAS INSTRUMENTS INCORPORATED<br>P O BOX 655474, M/S 3999<br>DALLAS, TX 75265 |             |                      | CRAIG, DWIN M       |                  |
|                                                                                |             |                      | ART UNIT            | PAPER NUMBER     |
|                                                                                |             |                      | 2123                |                  |

DATE MAILED: 08/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

|                        |                     |  |
|------------------------|---------------------|--|
| <b>Application No.</b> | <b>Applicant(s)</b> |  |
| 09/464,315             | DU ET AL.           |  |
| <b>Examiner</b>        | <b>Art Unit</b>     |  |
| Dwin M. Craig          | 2123                |  |

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

THE REPLY FILED 04 April 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1.  The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a)  The period for reply expires 3 months from the mailing date of the final rejection.  
 b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection; whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2.  The Notice of Appeal was filed on 19 April 2005. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3.  The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because

- (a)  They raise new issues that would require further consideration and/or search (see NOTE below);
- (b)  They raise the issue of new matter (see NOTE below);
- (c)  They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d)  They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4.  The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
 5.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
 6.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_

Claim(s) objected to: 3-5, 8-10, 14-16, 19, 21, 22 and 25-27.

Claim(s) rejected: 1, 2, 7, 12, 13, 18, 19, 23 and 24.

Claim(s) withdrawn from consideration: \_\_\_\_\_

**AFFIDAVIT OR OTHER EVIDENCE**

8.  The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
 9.  The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10.  The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11.  The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.  
 12.  Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). \_\_\_\_\_.  
 13.  Other: \_\_\_\_\_.



**LEO PICARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100**

Continuation of 11. does NOT place the application in condition for allowance because: The Examiner respectfully traverses Applicant's argument that the Pedrazzini reference does not inherently teach the creation of a magnetic field to oppose eddy currents.

The Examiner points to the Abstract of the Pedrazzini reference for object evidence that in fact there is an inherent teaching in the Pedrazzini of generating a magnetic field to oppose eddy currents. Abstract (A voice coil motor control circuit provides control signals to a voice coil motor circuit drive that is coupled to a voice coil motor. A current sensing resistor is coupled in series with the voice coil motor. The control circuit includes a sense amplifier having inputs that couple to the current sensing resistor and includes a feedback circuit that includes an input and also includes an output that couples to the voice coil motor driver. In a first mode of operation, the feedback circuit input is coupled to an output of the sense amplifier. The control circuit also includes an inverting operational amplifier. In the first mode of operation, the inverting operational amplifier is bypassed. In a second mode of operation corresponding to deployment of a read/write head from a parked position onto the disc, the inverting operational amplifier is coupled in series between the sense amplifier output and the feedback circuit input. As a result, a velocity of the voice coil motor is more precisely and accurately controlled.)

The Examiner notes that in the second configuration the sense amplifier output will produce a current, which will then produce a corresponding magnetic field in the voice coil, which will then react to any eddy currents, produced which are detected through the sensing resistor. The feedback system described in the Abstract teaches that any currents produced by the system will be compensated for which then results in a more accurately controlled velocity. This improved accuracy requires that eddy currents be accounted for, thus the Pedrazzini reference teaches the generation of a current or magnetic field to compensate for eddy currents.